

Grease, Lithium Soap Base—Multipurpose with E. P. Additive—NLGI #2**1. SCOPE**

1.1 The material defined by this specification is a NLGI No. 2 grease consisting of a mineral oil and a lithium soap.

1.2 This specification may involve hazardous materials, procedures and apparatus. This specification does not address the health and safety problems associated with its application or use. It is the specification user's responsibility to follow appropriate health or safety practices and determine the application or regulatory limitation before use.

2. APPLICATION

This specification was released originally for grease for lubricating tractors and implements. The maximum usage temperature is 15° to 225°F. (-10° to 107°C)

3. DESIGNATION

The Engineering drawing shall contain the following notation for the specification of the subject grease. The notation shall be as follows;

Grease, Lithium - NLGI #2

The part number for this grease shall be taken from Table 3 and entered in the parts list as seen in the illustration in Figure 1. The name shall be taken from the name of the specification and entered as seen in Figure 1. The quantity shall be noted by the specific amount used.

Figure 1: Engineering Drawing Title Block

1	0	LB	86503661	STD GREASE NLGI #2
ITEM	QUANTITY	UNIT	PART NUMBER	NAME
EUROPEAN MATERIAL				
AMERICAN MATERIAL				
THE FOLLOWING TOLERANCES APPLY UNLESS OTHERWISE 30° = 30° ± 1° MACHINED SURFACE FINISH = 6.3/ EXCEPT DRILL POSITION TOLERANCES AND RELATED DATUMS, APPLY MM. OTHER GEOM APPLY REF. COMMERCIAL TOLERANCES APPLY TO SECTION DIMENSIONS OF R				

4. RELATED STANDARDS

- ASTM D93—Test Methods for Flash Point by Pensky-Martens Closed Tester
- ASTM D97—Test Methods for Pour Point of Petroleum Oils
- ASTM D128—Method for Analysis of Lubricating Grease
- ASTM D217—Test Method for Cone Penetration of Lubricating Grease
- ASTM D445—Test Methods for Kinematic Viscosity of Transparent and Opaque Liquids. (and the Calculation of Dynamic Viscosity)
- ASTM D566—Test Method for Dropping Point of Lubricating Grease
- ASTM D942—Test Method for Oxidation Stability of Lubricating Greases by the Oxygen Bomb Method
- ASTM D972—Test Method for Evaporation Loss of Lubricating Grease and Oils
- ASTM D1263—Test Method for Leakage Tendencies of Automotive Wheel Bearing Greases
- ASTM D1264—Test Method for Water Washout Characteristics of Lubricating Greases
- ASTM D1742—Test Method for Oil Separation From Lubricating Greases During Storage
- ASTM D1743—Test Method for Corrosion Preventive Properties of Lubricating Greases

					NAME	STD GREASE NLGI #2	
						ENGINEERING SPECIFICATION	
						FRAME 1	OF 4
						PART NUMBER	
ALL	B	RE	119027	26JUL02		THE INFORMATION HEREON IS THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF NEW HOLLAND N. V. AND/OR ITS SUBSIDIARIES. ANY USE, EXCEPT THAT FOR WHICH IT MAY BE LOANED, IS PROHIBITED.	
FRAME NO.	REV	BY	ECN NO.	DATE			
APP.	DRAWN	IE	JUN 93				
KHH OCT 93	CHECKED						

- ASTM D2266—Test Method for Wear Preventive Characteristics of Lubricating Grease (Four-Ball Method)
- ASTM D2509—Method for Measurement of Extreme Pressure Properties of Lubricating Grease (Timken Method)
- ASTM D2596—Method for Measurement of Extreme-Pressure Properties of Lubricating Grease

5. REQUIREMENTS

5.1 The requirements for the subject grease are listed in Table 1.

5.2 Material shall be a smooth homogenous product free from abrasive particles, it shall be consistent in color and texture, and free from objectionable odors during normal storage. It shall be suitable for the intended application.

6. INFRARED SPECTROPHOTOMETRY AND/OR THERMAL ANALYSIS

New Holland, at its option may conduct infrared and /or thermal analysis of materials/parts supplied to this specification. The IR spectra and thermogram established for initial approval shall constitute the reference standard and shall be kept on file at the designated Materials Engineering Activity. All sample shall produce IR spectra and thermogram that correspond to the reference standard when tested under the same condition.

7. APPROVAL OF MATERIALS

Materials defined by this specification must have prior approval by the responsible Materials

Engineering Activity. Suppliers desiring approval of their materials shall first obtain an expression of interest from the effected Purchasing, Design or Materials Engineering Activity. Upon request, the Supplier shall submit to the affected Materials Engineering Activity its own Laboratory report to the specification (test results, not nominal values), the material designation and code number, and test specimens for Ford New Holland Inc. evaluation. Upon approval, the material will be added to the Engineering Materials Approved Source List.

8. SUPPLIER'S RESPONSIBILITY

8.1 Supplier shall be responsible for the maintenances of the product's physical properties and chemical analysis. This specific data shall be related to any product and/or batch code numbers and date identification codes. All data obtained shall be held by the supplier for a minimum of five (5) years. The information shall be made available to Ford New Holland upon request by Materials Engineering or by New Holland Supplier Quality Assistance Personnel.

8.2 All materials supplied to this specification shall be equivalent in all characteristics to the material upon which approval was originally granted. Prior to the making of any changes in the properties, composition, construction, color, dimensions, processing or labeling of the material originally approved under this specification, the supplier shall notify Purchasing and the affected Materials Engineering activity of the proposed changes and obtain the written acknowledgement of the Material Engineering activity. Test data, test samples and a new identification code are to be submitted with the request.

 NEW HOLLAND	NAME			PART NUMBER	
	STD GREASE NLGI #2			86557974	
ENGINEERING SPECIFICATION			REV. B	FRAME 2	OF 4